



TRAINING & SIMULATION

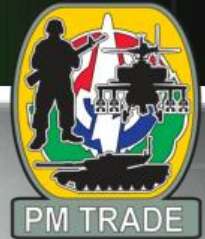
INDUSTRY SYMPOSIUM



Renaissance Orlando Resort • 10-11 June 2009

TRAINING & SIMULATION

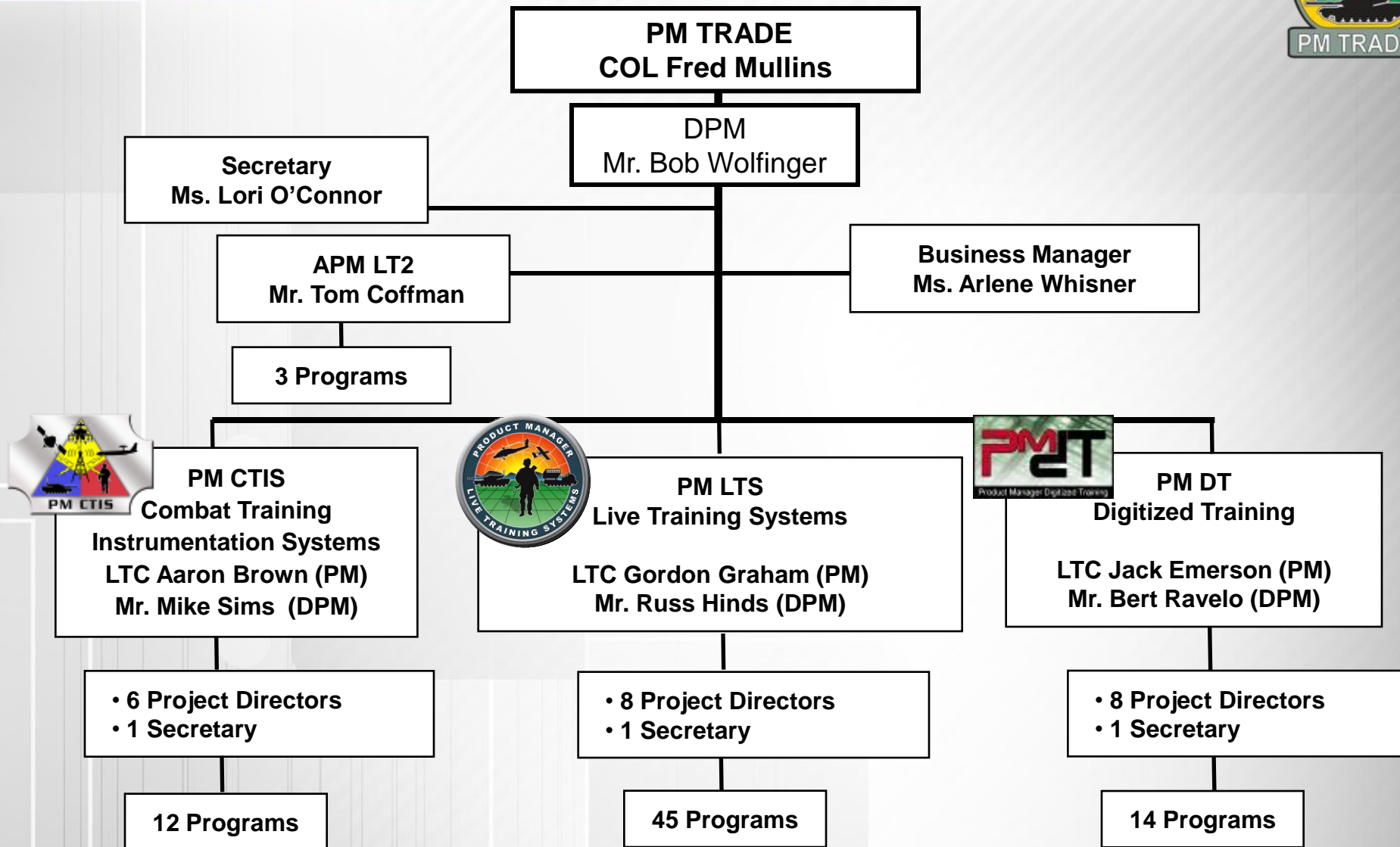
INDUSTRY SYMPOSIUM



COL Fred Mullins
Project Manager
Training Devices



PM TRADE Project Management Office



Revised Future Competitions



	<u>Program</u>	<u>Release RFP</u>	<u>Award Date</u>
APM LT2	CPM	3 rd Qtr FY 09	4 th Qtr FY 09
PM CTIS	HITS	4 th Qtr FY 09	2 nd Qtr FY 10
	CTC-IS MOD	4 th Qtr FY 11	2 nd Qtr FY 12
PM DT	CARTS	3 rd Qtr FY 09	4 th Qtr FY 09
	IMTS	3 rd Qtr FY 09	2 nd Qtr FY 10
	DRTS	4 th Qtr FY 09	2 nd Qtr FY 10

Consolidated Product – Line Management (CPM)



- CPM contract will:
 - Centrally execute evolution and sustainment of the Common Training Instrumentation Architecture (CTIA) and Live Training Transformation – Family of Training Systems (LT2-FTS) product line
 - Protect live training investment, support standardization enabling interoperability (LVC) and reuse
 - Reduce total product ownership costs
- Develop technology to support LT product line evolution
- Procure products integrating CTIA and LT components

Acquisition Strategy

- Outside STOC II
 - Full open competition
 - Cost Plus/FFP

Period of Performance

- Base year award with four option years

Milestones

- RFP Release - 3rd Qtr FY 2009
- Contract Award - 4th Qtr FY 2009

Point of Contact

Mr. Tom Coffman
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Funding

- RDTE/OPA FY 2010 – FY 2015:
\$100M+

Current Contract/Original Developer/ OEM (if recompet)

- Lockheed Martin is the current incumbent awarded under STOC I



Future Competitions



Program

Release RFP

Award Date

APM LT2

CPM

3rd Qtr FY 09

4th Qtr FY 09

PM CTIS

HITS

4th Qtr FY 09

2nd Qtr FY 10

CTC-IS MOD

4th Qtr FY 11

2nd Qtr FY 12

PM DT

CARTS

3rd Qtr FY 09

4th Qtr FY 09

IMTS

3rd Qtr FY 09

2nd Qtr FY 10

DRTS

4th Qtr FY 09

2nd Qtr FY 10

Homestation Instrumentation Training System (HITS)



- Supports full spectrum Contemporary Operational Environment (COE) operations to include collective maneuver, Force on Force training for Platoon through Battalion Units
- Captures position location and weapons effects data for real time exercise monitoring and After Action Review (AAR) capability
- Aligns with Army Live Training Transformation (LT2) objectives
- Provides an integrated HITS:
 - 10 plus Battalion Sets plus one company set fielded in FY10-15; 1 to 2 per year
 - Initial sustainment

Acquisition Strategy

- STOC II Competitive
 - Full open competition
 - Firm Fixed Price

Period of Performance

- Base year award with four option years

Milestones

- RFP Release - 4th Qtr FY 2009
- Contract Award – 2nd Qtr FY 2010

Point of Contact

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Funding

- OPA FY10 – FY15: \$130.7M

Current Contract/Original Developer/ OEM (if recompet)

- Riptide is the current incumbent awarded under GSA

Combat Training Center Modernization Instrumentation Systems (CTC-IS Mod)



- **Range Data Measurement System (RDMS) upgrade will:**

- Increase Player Unit tracking capability, range coverage, complies with Information Assurance and Spectrum Management requirements, provide network backbone required to host OneTESS while addressing life-cycle sustainment and eliminating obsolescence.
- Leverage the Army's future common training radio solution

- **Observer/Controllers Communication System (OCCS) upgrade will:**

- Provide a secure voice communications compliant with Land-Mobile Radio standard that meets Information Assurance and Spectrum Management requirements. System needs to be frequency programmable, be capable of monitoring and transmitting on single channel nets or call groups of monitoring and transmitting on single channel nets or call groups of multiple channels and interface with radio nets such as MEDEVAC.
- Leverage future common training radio solution

Acquisition Strategy

- STOC II Competition
 - Firm Fixed Price

Period of Performance

- Base year award with four option years

Milestones

- RFP Release - 4th Qtr FY 2011
- Contract Award – 2nd Qtr FY 2012

Point of Contact

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Funding

- RDMS: OPA FY11-FY15: \$144.3M
- OCCS: OPA FY11-FY15: \$94.7M

Current Contract/Original Developer/ OEM (if recompute)

- New Effort



Future Competitions



	<u>Program</u>	<u>Release RFP</u>	<u>Award Date</u>
APM LT2	CPM	3 rd Qtr FY 09	4 th Qtr FY 09
PM CTIS	HITS	4 th Qtr FY 09	2 nd Qtr FY 10
	CTC-MOD	4 th Qtr FY 11	2 nd Qtr FY 12
PM DT	CARTS	3 rd Qtr FY 09	4 th Qtr FY 09
	IMTS	3 rd Qtr FY 09	2 nd Qtr FY 10
	DRTS	4 th Qtr FY 09	2 nd Qtr FY 10

Common Army Ranges and Target Systems (CARTS)



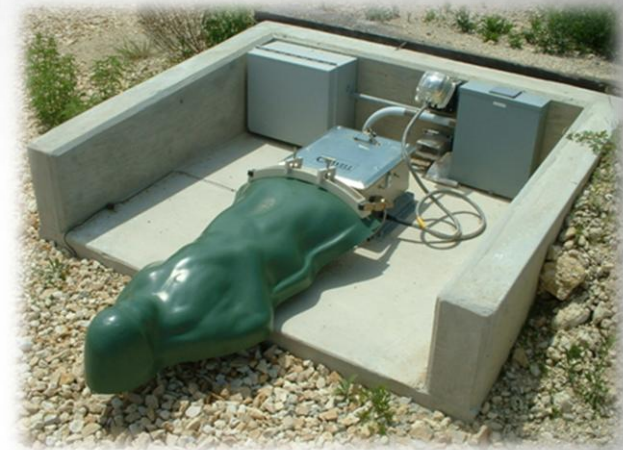
- Procure Target Systems/Devices in support of ranges defined in Training Circular 25-8, titled Training Ranges, dated April 2004 and Training Circular 25-8-1, Army Special Operations Forces Training Ranges, dated September 2004.

- Devices to support training ranges requirements include:

- Target Lifters, Target representation forms, sound devices, illumination devices, olfactory simulators and non-contract hit sensors systems.

- Efforts include:

- Hardware, software, devices, planning and design, applications and systems integration, prototyping, logistics, and technical support services.



NOTE: This supersedes the previously issued Integrated Target Systems and Components (ITSC) Request For Proposal.

Acquisition Strategy

- Outside STOC II
 - Competitive Full & Open
 - Multiple ID/IQ Contract for FY09-13

Period of Performance

- One year base year award with four option years

Milestones

- RFP Release - 3rd Qtr FY 2009
- Contract Award – 4th Qtr FY 2009

Point of Contact

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Funding

- OPA Total Contract Value: \$200-400M

Current Contract/Original Developer/ OEM (if recompet)

- New Effort

Integrated MOUT Training Systems (IMTS)



- Supports Urban Operations Home Station Training strategy
- IMTS is a fundamental element of the Combined Arms Training Strategy (CATS)
- Provides instrumentation for Combined Arms Collective Training Facility (CACTF), Live Fire Shoot House (LFSH), and Urban Assault Course (UAC)
- Supports Army's training for Urban Operations from Individual through Battalion METL requirements (TC 90-1)
- Satisfies all associated requirements in TC25-8
- Provides fully digital After Action Review (AAR) with take home package capability
- Provides US Army Infantry School approved simple reactive targets (HUTv2)



Acquisition Strategy

- Outside STOC II
 - Competitive Full & Open
 - Firm Fixed Price

Period of Performance

- One year base award with four option years

Milestones

- RFP Release - 3rd Qtr FY 2009
- Contract Award – 2nd Qtr FY 2010

Point of Contact

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Funding

- OPA FY10-FY15: \$23M

Current Contract/Original Developer/ OEM (if recompute)

- General Dynamic Information Technology (GDIT) is the current incumbent awarded under STOC I



Digital Ranges Training Systems (DRTS)



- Provides New & Modern Ranges with realistic, train-as-you-fight environment maximizing use of all available combat systems capabilities.
- Provide individual, collective live-fire training and qualification per Training Circular 25-8 with an enhanced training data collection and After Action Review (AAR) capabilities.
- Provides end-to-end instrumentation for the following types of ranges:
 - Digital Multi-Purpose Range Complex (DMPRC)
 - Digital Multi-Purpose Training Range (DMPTR)
 - Battle Area Complex (BAX)
 - Digital Air Ground Integration Range (DAGIR)



Acquisition Strategy

- Acquisition TBD
- Full open competition
- Firm Fixed Price

Period of Performance

- One year base award with four option years

Milestones

- RFP Release - 4th Qtr FY 2009
- Contract Award – 2nd Qtr FY 2010

Point of Contact

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Funding

- OPA FY10-FY15: \$25M

Current Contract/Original Developer/ OEM (if recompet)

- General Dynamic Information Technology (GDIT) is the current incumbent awarded under STOC

Future Competitions



PM LTS

Program

Release RFP

Award Date

TVS-MRAP/ASV/
MILES XXI Stryker

3rd Qtr FY 09

4th Qtr FY 09

MAST

3rd Qtr FY 09

4th Qtr FY 09

CREW 2

1st Qtr FY 10

2nd Qtr FY 10

ITAS TESS

4th Qtr FY 09

1st Qtr FY 10

OneTESS

TBD

TBD

MK-19 TES
w/Geo Pairing

3rd Qtr FY 10

4th Qtr FY 10

Multiple Integrated Laser Engagement System (MILES) Tactical Vehicle Systems (TVS)



The purpose of the MILES TVS program is to provide real-time casualty effects during tactical engagement training in a Direct Fire, Force-on-Force instrumented/uninstrumented scenario on Tactical Vehicles without Fire Control Systems.



Detector Module



Strobe Module



**Remote Display Unit
(Located inside vehicle)**

Acquisition Strategy

- STOC II
 - Firm Fixed Price
 - T & M Quantity Pricing
 - Option Lots

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 3rd Qtr FY 2009
- Contract Award – 4th Qtr FY 2009
- LRIP - Pending

Point of Contact

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Funding

- OPA: \$12M

Current Contract/Original Developer/ OEM (if recompute)

- Unitech is the current incumbent awarded under STOC

Man-Portable Aircraft Survivability Equipment (ASE) System Trainer (MAST)



Generic MANPADS Simulator replicating multiple systems such as SA-7, SA-16, and SA-18 providing rotary wing helicopter pilots the training to evade such threats. The MAST will stimulate the OPERATIONAL Advanced Threat Countermeasure Systems in the aircraft.



Acquisition Strategy

- STOC II Competitive
 - Firm Fixed Price
 - T&M Quantity Pricing
 - Option Lots

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 3rd Qtr FY 2009
- Contract Award – 4th Qtr FY 2009

Point of Contact

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Funding

- OPA Total Contract Value:
\$104M FY 2009-2014

Current Contract/Original Developer/ OEM (if recomplete)

- New Effort

Counter Radio (Controlled Improvised Explosive Device) Electronic Warfare (CREW) , 2 Re-Compete



Counter Radio (Controlled Improvised Explosive Device) Electronic Warfare (CREW), Increment 2 training system program shall recreate the battlefield RD environment and emissions conditions of the CREW 2 (Duke, CVRJ, and MMBJ) (Mounted) and QRD (Dismounted). CREW devices in a virtual environment thus relieving adherence to Requirements imposed by the Federal Communications Commission (FCC) and the Federal Aviation Administration (FAA) for RF emissions.



Acquisition Strategy

- STOC II Competitive
 - Firm Fixed Price
 - T & M Quantity Pricing
 - Option Lots

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 1st Qtr FY 2010
- Contract Award – 2nd Qtr FY 2010

Point of Contact

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Funding

- OPA Total Contract Value:
\$15M FY 2010-2014

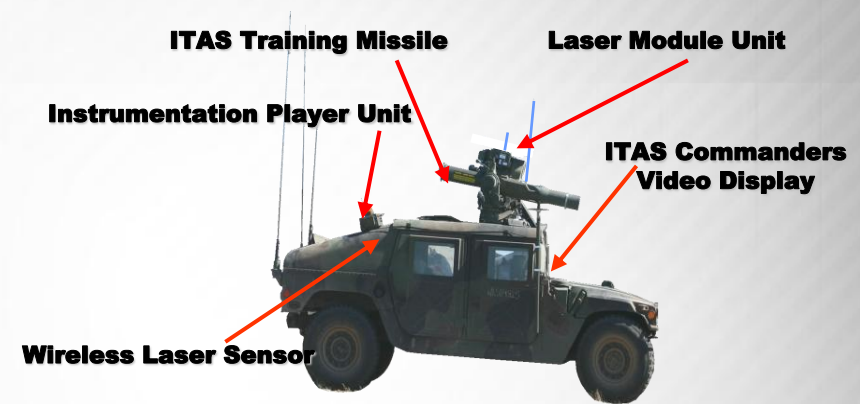
Current Contract/Original Developer/ OEM (if recompile)

- Unitech is the current incumbent awarded under STOC

Improved Target Acquisition System – Tactical Engagement Simulation System (ITAS TESS)



Provide an improved Soldier Friendly Tactical Engagement Simulation capability for TOW ITAS that can be used in Force-on-Force Exercises at Home Stations and the CTCs.



Acquisition Strategy

- STOC II Competitive
 - Firm Fixed Price
 - T & M Quantity Pricing
 - Option Lots

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 4th Qtr FY 2009
- Contract Award – 1st Qtr FY 2010

Point of Contact

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Funding

- OPA Total Contract Value:
\$12M FY 2010-2014

Current Contract/Original Developer/ OEM (if recompet)

- ICE is the current incumbent awarded under STOC



One Tactical Engagement Simulation Systems (OneTESS)



One Tactical Engagement Simulation Systems will provide a live, combined arms Force-on-Force and Force-on-Target training for Brigade Combat Teams and Maneuver Combat Training Centers, Home Stations, and deployed sites. May also to be used in Operational Testing environments.



T = Tentative

Acquisition Strategy

- STOC II Competitive
– (T) Firm Fixed Price

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 1st Qtr FY 2011
- Contract Award – 2nd Qtr FY 2011

Point of Contact

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Funding

- OPA: TBD
- RDT&E: FY10-FY15 \$60M

Current Contract/Original Developer/ OEM (if recompetete)

- GDC4S (General Dynamics) is the current incumbent awarded under STOC

MK-19 TES w/Geo Pairing



- The purpose of this support mission funded effort is to:
 - Provide new and/or replacements to existing MK-19 Simulation Player Units (SPU) that are used in the Army's force-on-force training exercises with devices that provide better training fidelity for Geo Pairing (GP), as well as laser base capabilities
 - Reduced MK-19 GP SPU life-cycle support costs
 - Spin-out OneTESS Non-Line of Sight technologies into these training devices and sites
 - Provide a contractual vehicle for FMS, Homeland Defense or other services, as needed



Acquisition Strategy

- STOC II Competitive
 - Firm Fixed Price
 - T & M Quantity Pricing
 - Option Lots (See Above)

Period of Performance

- One year base award with four option years

Milestones

- RFP Release – 3rd Qtr FY 2010
- Contract Award – 4th Qtr FY 2010
- LRIP – December 2010

Point of Contact

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Funding

- OPA Total Contract Value:
&7.6M FY 2010

Current Contract/Original Developer/ OEM (if recomplete)

- Sierra Nevada is the current incumbent awarded under STOC